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## Introduction

Thank you for your purchase of Monitor Audio Bronze BRW-10 subwoofer, which has been designed and constructed using quality systems and materials to provide years of enjoyment, reliability and pride of ownership.

This product, as with all the Bronze BR range, is hand crafted from top to bottom using traditional woodworking skills for our sumptuous cabinets, married with the state of the art technology of our renowned drive units.

Music is and should be a natural enhancement of life. It stimulates the imagination, changes your mood, helps you relax, and provides endless hours of entertainment.

At Monitor Audio we pride ourselves in attempting to make the listening experience as close as possible to the original 'music' production.

Please read through this manual to familiarize yourself with any safety advice and how best to set up your subwoofer to achieve the very best listening experience.

Please retain this manual for future reference.

# Safety Instructions

## 1. Read Instructions

Please read and follow all of the instructions in this manual before enjoying your subwoofer.

## 2. Keep these instructions

## 3. Heed all warnings

Any instructions preceded by this warning triangle **MUST** be followed. Failure to do so may cause personal injury or damage the unit/s.



## 4. Lifting/Moving

Due to the weight of the BRW-10, care must be taken at all times when handling the product.



## 5. Power

Unplug this apparatus during lightening storms or when unused for long periods of time.

We would advise it is switched off at the mains power supply. This is a recommended safe practice in order to reduce the risk of electrical fire. Where the Mains Plug is used as a disconnect device, such a disconnect device shall remain readily operable.



## 6. Power Cord Protection

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where it exits from the apparatus.



## 7. Polarised Plug (Certain countries only)

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet. Consult an electrician for replacement of the obsolete outlet.



## 8. Water & Moisture

Do not use the BRW-10 near water - for example, bathtub, washbowl, kitchen sink, and washing machine, in a wet basement or near a swimming pool. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus. Please ensure that no liquid is spilt on the appliance, especially on the rear panel where the power cord enters the amp. To reduce the risk of fire or electric shock. Don't expose this apparatus to rain or moisture



## 9. Heat/Humidity

The BRW-10 should not be placed near any heat source such as radiators, open fires, stoves, direct sunlight and any other appliance that produces heat.

This product is designed for use within the home environment. Exposure to extreme temperatures & humidity when placed on patios or open conditions could adversely affect the wooden cabinet.



## 10. Ventilation

The BRW-10 should be situated so that its location or position does not interfere with its own proper ventilation. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table cloths, curtains, etc. It should not be placed in any purpose built location without suitable ventilation being provided.



## 11. Damage requiring Service

Qualified personnel should service the appliance when:

- The power cord or plug has been damaged.
- Liquid has been spilt on the rear panel.
- The BRW-10 has been dropped or the enclosure damaged.
- The BRW-10 does not appear to operate normally or exhibits a marked change in its performance



## 12. Servicing

The user should not attempt to service the appliance beyond that specified in this manual. Only qualified personnel should carry out all other servicing requirements.



## 13. Cleaning

Before cleaning it is advisable to disconnect the BRW-10 from the power supply.

Avoid touching the BRW-10 drive unit whilst cleaning, as any damage will impair its performance.

You will fully appreciate that great care and attention has gone into the materials chosen to produce the Bronze BRW-10. It is our intention that it should provide a lifetime of musical pleasure. A gentle wipe with a dry, clean cloth is all that is required to remove any dust. Treat it as you would a fine piece of furniture because that is how it has been designed.

## Re-cycling

Disposal of Waste Electrical and Electronic Equipment (WEEE) by User in Private Households in the EU

This symbol on the product or accessories indicates that they must not be disposed of with your household waste. Instead it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for recycling WEEE. The separate collection and recycling of your waste equipment will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



For more specific information about where you can take your equipment for recycling please contact your local city/ council office, your local waste disposal service or the outlet where you purchased the product.

## RoHS Declaration of Conformity



Directive 2002/95/EC of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment, January 2003

## Background

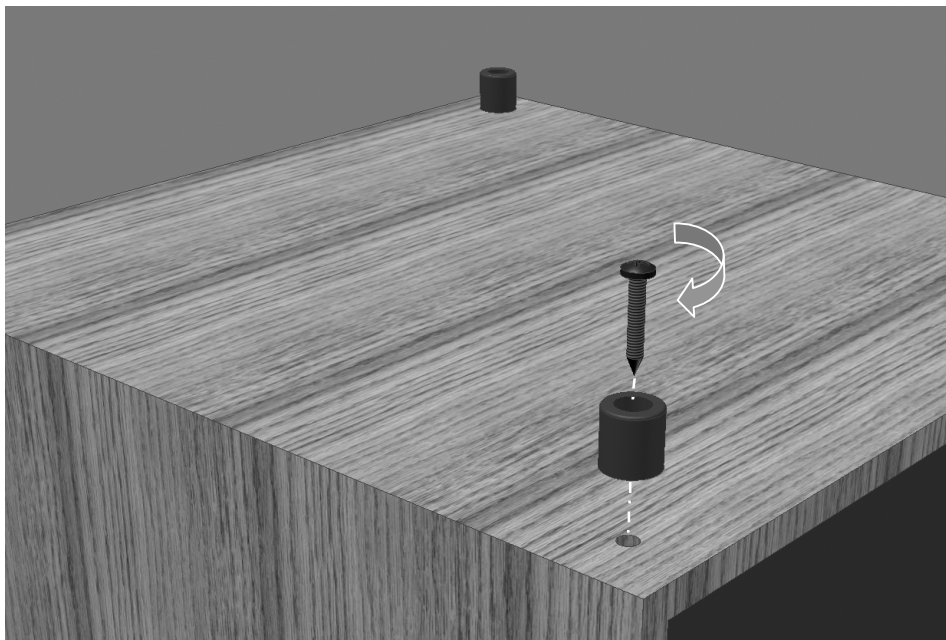
The RoHS directive restricts the use of Lead (Pb), Cadmium (Cd), Mercury (Hg), hexavalent Chromium (CrVI), polybrominated biphenyl (PBB) compounds, and polybrominated diphenyl ether (PBDE) compounds in electrical and electronic equipment sold in the European Union.

## Foot Fixing

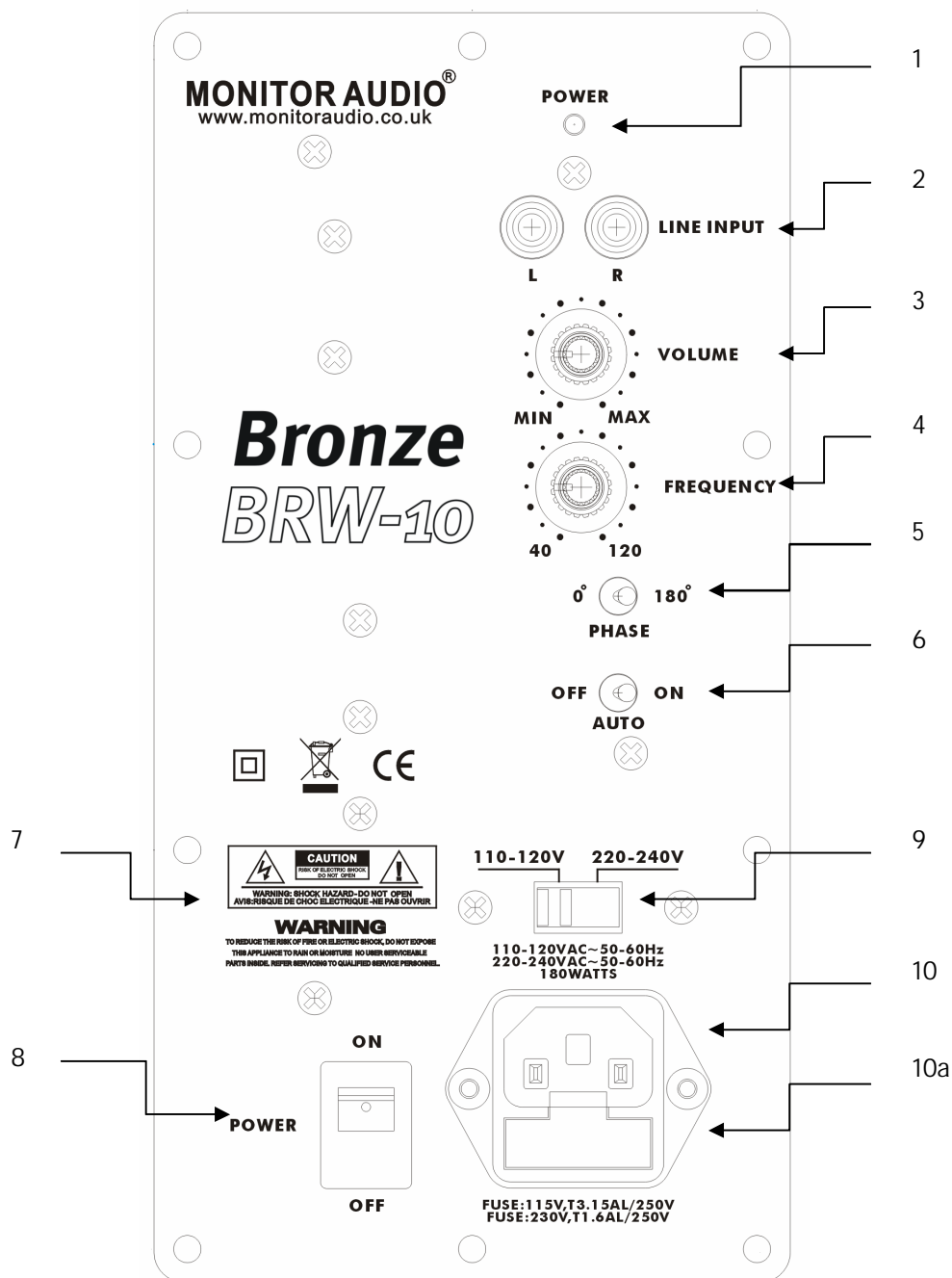
The BRW-10 comes with rubber feet for fixing to the bottom of the cabinet. Also included are self tapping screws to fix them to the bottom of the cabinet. These are very simple to attach, but please ensure care is taken at all times and the correct tools are used.



BEWARE. The screws are very sharp, and could cause injury if care is not taken when handling them



# Amp Panel and Controls



### 1. Stand-by / On Indicator

The LED indicates whether the unit is in stand-by mode or operational.

### 2. RCA Line Level Inputs (Left & Right)

This is the only method of signal input connection to the BRW-10. When using a stereo amplifier system, connection can be provided by a pair of high-quality signal cables from the pre-out section of an amplifier. If a digital A/V processor or A/V receiver/amplifier is to be used, a single cable can be connected from the 'sub out' or LFE connection on the amplifier to the RCA input connection on the BRW-10 labelled 'R'. The RCA input marked 'L' in this case will remain unused. Note: - cable lengths should not exceed 10 metres to avoid interference from other electrical appliances.

### 3. Volume Control

This control allows the level or volume to be adjusted in order to achieve a balanced overall sound. To use this facility you will need to play a selection of familiar music or film excerpts. Start with the volume at minimum and increase the level control until a balanced sound is established. If using an A/V processor or A/V receiver amplifier, the system can adjusted by the test tone function within the set-up features. (Refer to the set up section in the A/V processor or A/V receiver amplifier user guide.) When the BRW-10 is correctly set-up, you should not be able to identify its location easily in the room.

### 4. Crossover Frequency Control

The crossover frequency control only operates when the low pass filter switch (refer to section 3.) is in the 'In' position. The crossover frequency control is used to set the upper frequency limit (low pass) of the BRW-10. The crossover control should be set in accordance with the size or bass output of the main/satellite speakers. Refer to the chart below as a guide to setting the crossover frequency control to the optimum position. Much will depend on the correct low frequency response of the main speakers and their position in your room. Experimentation is advisable.

Type of main speaker	Crossover control setting
Large floor-standing speaker	40-60 Hz
Small floor-standing speaker	50-70Hz
Large stand-mount/ bookshelf speaker	50-80 Hz
Small stand-mount/ bookshelf speaker	60-90 Hz
Small satellite speaker	80-160 Hz

### 5. Phase Control Switch

The Phase Control is used to synchronise any delay between the BRW-10 and main/satellite speakers. When the BRW-10 is in phase with the main/satellite speakers the sound should be full bodied. Sit in a normal listening position whilst adjusting the phase switch. Help from another person may be required in order to do this easily. When set correctly the location of the subwoofer should be almost undetectable. Experimentation is advisable in order to achieve optimum results. However it should be noted that in most cases the phase control switch should be set to 0 degrees, especially when using a digital A/V processor or A/V receiver amplifier.

## 6. Power Mode Switch with On-Auto-Off Facility

The Power Mode Switch has three positions: 'On'-'Auto'-'Off'. When the switch is in the 'Off' position the subwoofer will not function. In the 'Auto' position the subwoofer will automatically switch on when an input signal is received. It will remain on. If no signal is received for around 15-20 minutes, the BRW-10 will then switch into standby mode until a signal is received once more. With the switch in the 'On' position, the subwoofer is permanently switched on under all conditions.

## 7. Warning Information

The following warning symbols are found on the amp panel. The meanings are:



This lightening flash with an arrow head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.



Warning: To reduce the risk of electric shock, do not remove cover (or back) no user-serviceable parts inside. Refer servicing to qualified service personnel



This exclamation point within an equilateral triangle is intended to alert the user to presence of important operating maintenance (servicing) instructions in the literature accompanying the appliance

## 8. Mains Power Switch

The Mains Power Switch should be switched to the 'Off' position when the BRW-10 will not be used for extended periods. The switch must be in the 'On' position for the sub-woofer to function.

**WARNING:** Due to the mains switch being located on the rear panel, the apparatus must be located in the open area with no obstructions to access the mains switch.

## 9. Mains Voltage Selector

This is factory set to your country's mains voltage specification. Do not attempt to adjust this as this may lead to permanent damage to the product and even the risk of fire.

## 10. IEC Mains Power Connector/ Fuse Location

The BRW-10 is supplied with a two-pin mains input socket for connection to the mains supply. Use ONLY the appropriate IEC mains lead provided with the product. Also fitted is an external mains fuse. If a fuse blows during operation a spare fuse is provided within the fuse holder for replacement. If you wish to change the fuse, you can do this by removing the IEC mains lead and carefully levering out the original fuse from its holder below the IEC mains input socket (10a). If the fuse blows again it is advisable to seek help from an authorised service agent. DO NOT attempt to re-fit a further fuse as this could result in serious damage to the amplifier unit.



## Positioning/Initial Set Up

The BRW-10 should now be sited in the most suitable position, preferably not directly in the corner of a room as this may cause excessive bass boom. Once a desirable position is achieved it is important to check if the cables are long enough to reach comfortably without being under tension. Leave the BRW-10 unplugged until the installation procedure is completed. The optimal control settings will depend entirely on your system configuration. For initial trials set the controls as follows:

Volume control	Should be set to minimum
Frequency control	Should be set to the minimum position (40Hz)
Phase control	Should be set to zero degrees
Power switch	Should be set to 'Auto'

Input connections can be made at this stage before the power is connected to the BRW-10.

Never connect or disconnect the RCA input lead connection with the BRW-10 switched on.

## Set Up

Once the input cables are connected and the controls are set in accordance with the initial set-up procedure above, the BRW-10 can be connected to the mains power supply and switched on. Do not play any music at this stage. With the Power Mode Switch in the 'Auto' position, the unit should remain in standby until a signal is received.

Play a variety of music/ film excerpts starting at a very low volume level, increasing to an average listening level once you are sure everything is working correctly. Check the back of the BRW-10, the LED indicator should now indicate it is 'ON'. Please now follow the bulleted instructions below: -

- If using the crossover frequency control please adjust in accordance with the table on page 7 further fine-tuning may be required.
- The Phase Control can now be set ref. See page 7 for information on this function

The volume control can now be set to finish the set-up procedure. It is important to try a variety of music and film excerpts with which you are familiar in order to obtain the optimum overall settings.

## Specification

Low frequency limit:-	27Hz
Upper frequency limit:-	40 – 120 Hz Variable
Low pass filter alignment:-	4 <sup>th</sup> order 24db/octave
Amplifier Output:-	150 Watts (R.M.S)
Amplifier classification:-	Class- D Digital amplifier
Driver compliment:-	1 x 10" MMP <sup>®</sup> MK2 long throw driver
Dimensions:-	Millimetres:- 320 H x 320 W x 340 D Inches:- 12 <sup>5</sup> / <sub>8</sub> x 12 <sup>5</sup> / <sub>8</sub> x 13 <sup>3</sup> / <sub>8</sub> All dimensions excluding grille
Weight (unpacked)	12.5 Kg (27.5lbs)
Input Impedance: -	20K Ohms
Mains input voltage:-	115 Vac / 230 Vac Factory Preset. Do not adjust
Finishes:-	Black Oak, Cherry and Walnut vinyl's. All fitted with a black grille.

## Guarantee and Service

Valid upon completion of the incorporated warranty card and its return within 30 days of purchase.

This equipment has been fully tested prior to dispatch from the factory. Both the craftsmanship and the performance of this product is guaranteed against manufacturing defects for the period of one year from the date of purchase (see conditions below), provided that the product was supplied by an authorised Monitor Audio retailer under the consumer sale agreement. (The words 'consumer sale' shall be construed in accordance with section 15 of the supply of goods act 1973). Monitor Audio accepts no responsibility for defects arising from accident, misuse, abuse, wear and tear, modification or operation outside of that specified within this instruction manual. Neither will responsibility be accepted for damage or loss occurring during transit to or from the parties claiming under this guarantee.

This guarantee covers both labour and parts. The liability of Monitor Audio is limited to the cost of repair or replacement of the defective parts (at the discretion of Monitor Audio) and under no circumstances extends to consequential losses or damage.

### Claims under this Guarantee

The equipment should be returned in its original packaging to the original supplier where possible, or to any other authorised Monitor Audio dealer. If it is not possible to return the equipment by hand, then it should be sent carriage prepaid via a reputable carrier. If the original packing is not available replacement packaging can be purchased from Monitor Audio. If you have any difficulties complying with these requirements please contact us at the following address:

Customer Service  
Monitor Audio Ltd.  
Unit 2, 24 Brook Road  
Rayleigh  
Essex  
SS6 7XL  
England

Tel: 44 (0) 1268 740580  
Fax: 44 (0) 1268 740589  
Internet: [www.monitoraudio.co.uk](http://www.monitoraudio.co.uk)  
Email: [info@monitoraudio.co.uk](mailto:info@monitoraudio.co.uk)

This guarantee does not affect the statutory rights of the consumer under UK law.

## EC Declaration of Conformity

### EC Declaration of Conformity

We, Monitor Audio Ltd.  
Unit 2,24 Brook Road  
Rayleigh  
Essex  
SS6 7XL  
England



Declare in own responsibility, that the BRW-10 product described in this manual is in compliance with Technical Standards/Council Directives:

#### **(LVD) 73/23/EEC Low Voltage Directive**

**EN60065:** 09.93+ A11:09.97 Safety requirements for mains operated electronic and related apparatus for household and similar use.

#### **(EMC) 89/336/EEC Electro Magnetic Compatibility**

**EN55013:** 08.90+A12:08.94+A13:12.96 Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment.

**EN55020:** 12.94+A11:12.96 Electro magnetic immunity of broadcast receivers and associated equipment.

**EN61000-3-2:** 04.95+A1:1998+A2:1998 Electro magnetic compatibility (EMC) – Part 3: Limits – Section 2: Limits for harmonic current emissions(equipment input current up to and including 16 Ampere per phase).

**EN6100-3-3:** 01.95 Electro magnetic compatibility (EMC) – Part 3: Limits – Section 3 : Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up and including 16 Ampere per phase.

Signed By:

Name:

D.S. Hartley

Position:

Technical Director

Dean Hartley (Technical Director)  
30 May 2006  
Monitor Audio Ltd  
England

Data Protection

We at Monitor Audio are committed to respecting the wishes and privacy of our customers. Any information you provide will be held in the strictest confidence and only used within the Monitor Audio organisation for the provision of services such as warranty claims or spare parts.

We may wish to contact you in the future to ensure you are happy with the products and standards of service we provide and to keep you up-to-date with the latest products and promotions we have to offer.

Should you wish not to be contacted by us either by post, e-mail or phone, please tick the box on the warranty card. Alternatively you can request not to be contacted in future by writing to Customer Service, at the address on the previous page.

Owner Information

Product Details

Model BRW-10

Product Serial No .....

Amp panel Serial No .....

Date of Purchase .....

Dealer Details

Dealer Name .....

Address .....

Town, Post code, Country .....

e-mail address .....

Monitor Audio reserves the right to alter specifications without notice.